

NPDES Permit No. IL0079235  
Notice No. MEL:15091001.docx

Public Notice Beginning Date: **October 14, 2015**

Public Notice Ending Date: **November 13, 2015**

National Pollutant Discharge Elimination System (NPDES)  
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency  
Bureau of Water,  
Division of Water Pollution Control  
Permit Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
217/782-0610

Name and Address of Discharger:

Village of Grand Ridge  
215 Railroad Avenue  
Grand Ridge, Illinois 61325

Name and Address of Facility:

Village of Grand Ridge WTP  
215 Railroad Avenue  
Grand Ridge, Illinois 61325  
(LaSalle County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Mark E. Liska at 217/782-0610.

The applicant is engaged in the production of potable water for distribution to the Village of Grand Ridge (SIC 4941). Water is drawn from two shallow wells and treated using a draft aerator, vertical pressure filters, and chemical addition, including sodium hypochlorite, sodium permanganate, ferric chloride, and polyphosphate. The pressure filters will routinely be backwashed (approximately 3 days per week), using raw well water. In certain emergency situations the chlorinated finished water may be used as the source of the backwash. The backwash is treated with a "red water" sand filter prior to discharge. Plant operation results in an average discharge of 0.005 MGD of iron filter backwash from outfall 001.

Application is made for the new discharge(s) which is located in LaSalle County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Storm Sewer tributary to an unnamed tributary of Covell Creek	41° 14' 09"	North	88° 49' 51"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment receiving the discharge from outfall(s) 001 is not on the 303 (d) list of impaired waters and is not a biologically significant stream.

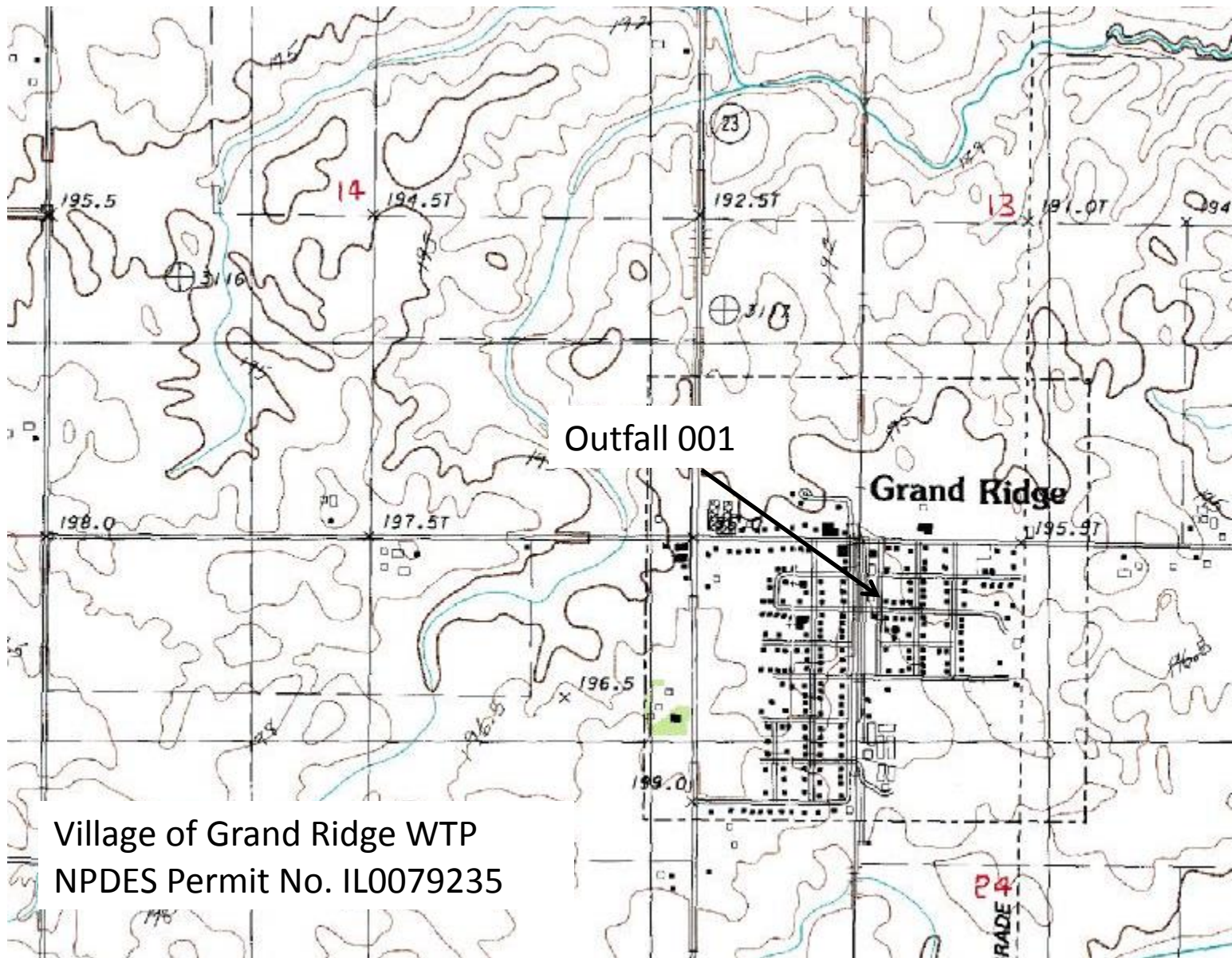
The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVG	DAILY MAX	REGULATION	30 DAY AVG	WEEKLY AVG	DAILY MAX	REGULATION
Flow (MGD)							
pH	Shall be within the range of 6 to 9 s.u.						35 IAC 304.125
Iron (Total)				2		4	35 IAC 304.124
Manganese				1		2	35 IAC 304.124
Arsenic				0.25		0.50	35 IAC 304.124
Total Suspended Solids				15		30	35 IAC 304.124
Ammonia March-May/Sept.-Oct. June-August Nov.-Feb.				1.5 1.0 2.8	3.8 2.5	4.6 5.5 4.5	35 IAC 302.212

The following explain the conditions of the proposed permit:

The special conditions contained in the permit serve to clarify effluent limitations and monitoring requirements including submission requirements for discharge monitoring reports, monitoring location requirements, and TRC sampling requirements.



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Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Village of Grand Ridge  
215 Railroad Avenue  
Grand Ridge, Illinois 61325

Facility Name and Address:

Village of Grand Ridge WTP  
215 Railroad Avenue  
Grand Ridge, Illinois 61325  
(LaSalle County)

Discharge Number and Name:

001 - Iron Filter Backwash

Receiving Waters:

Storm Sewer tributary to an unnamed tributary of  
Covel Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

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Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001 - Iron Filter Backwash  
(DAF = 0.005 MGD; DMF = 0.0075 MGD)

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG	DAILY MAX	30 DAY AVG	WEEKLY AVG	DAILY MAX		
Flow (MGD)	See Special Condition 1					Measure When Monitoring	Calculation
pH	See Special Condition 2					1/Month	Grab
Iron (total)			2		4	1/Month	Grab
Manganese			1		2	1/Year*	Grab
Arsenic			0.25		0.50	1/Year*	Grab
Total Suspended Solids			15		30	1/Month	Grab
Ammonia (as N) March-May/Sept.-Oct. June-August Nov.-Feb.			1.5 1.4 4.0	3.8 3.5 8.4	5.7 10.1 8.4	1/Year* 1/Year* 1/Year*	Composite Composite Composite

\* 1/Year sampling shall take place in the month of April and shall be reported in the May DMR.

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Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 5. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15<sup>th</sup> day (or following business day) of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 6. When the wastewater contains or could contain total residual chlorine (TRC), the permittee will be required to test for TRC by collecting one grab sample per month.

All samples for total residual chlorine (TRC) shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

The water quality standards for TRC (0.011 mg/L ave. and 0.019 mg/L max.) are below the method detection level (0.05 mg/L) as described in 40 CFR 136. Therefore, for the purpose of this permit, the method detection level will be utilized to determine compliance with the permit limit for TRC. A measurement of <0.05 mg/L reported on the DMR shall not be considered a violation of the water quality based effluent limit. This reporting threshold is being established to determine compliance and does not authorize the discharge of TRC in excess of the water quality based effluent limit.

SPECIAL CONDITION 7. In addition to the other requirements of this permit, no effluent shall contain settleable solids, floating debris, visible oil, grease, scum, or sludge solids. Color, odor, and turbidity shall be reduced to below obvious levels.

